Title (en)
VOICE DETECTION AND DISCRIMINATION APPARATUS AND METHOD

Title (de)
SPRACHERKENNUNGS- UND DISKRIMINATIONSVORRICHTUNG UND VERFAHREN

Title (fr)
APPAREIL ET PROCEDE DE DETECTION ET DE DISCRIMINATION VOCALES

Publication
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Application
EP 02703994 A 20020228

Priority
NO 0200084 W 20020228

Abstract (en)
[origin: WO03073790A1] An apparatus and a method of voice detection and discrimination apparatus for controlling a voice operated system. A protective ear terminal element (1, 2) in the apparatus protects the ear by providing acoustic attenuation. An inner electroacoustic transducer element (M2) on an inner side of the ear terminal element (1, 2) detects a first acoustic field and provides a first electronic signal representing the first acoustic field. An outer electroacoustic transducer element (M1) on an outer side of the ear terminal element (1, 2) detects a second acoustic field and provides a second electronic signal representing said second acoustic field. An electronics unit (11, E3) is connected with said electroacoustic transducer elements (M1, M2) and comprises first comparison means (27) for comparison of said first and second electronic signals to obtain the difference between said two electronic signals. The electronics unit (11, E3) also comprises a second comparison means (28) for comparing said difference with given criteria. Output means (13, E12) connected to the electronics unit (11, E3) provides an output signal depending on said second comparison. The output signal is an input signal to the voice operated system (29).

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